



**Massachusetts Bay
Transportation Authority**

**MBTA Contract R44PS04:
Red Line Cabot Carhouse Improvements
Amendment No. 1**

Red Line/Orange Line Improvements Program

February 12, 2018



Overview

- Today's board action will allow for the completion of design and advertisement for construction of the Cabot Yard and Carhouse Improvements Project.





Red Line/Orange Line Improvement Program

Red Line

Orange Line

NEW VEHICLE PROCUREMENT PROGRAM

INFRASTRUCTURE IMPROVEMENTS
PROGRAM

SIGNALS UPGRADE PROJECTS

STATE OF GOOD REPAIR PROJECTS

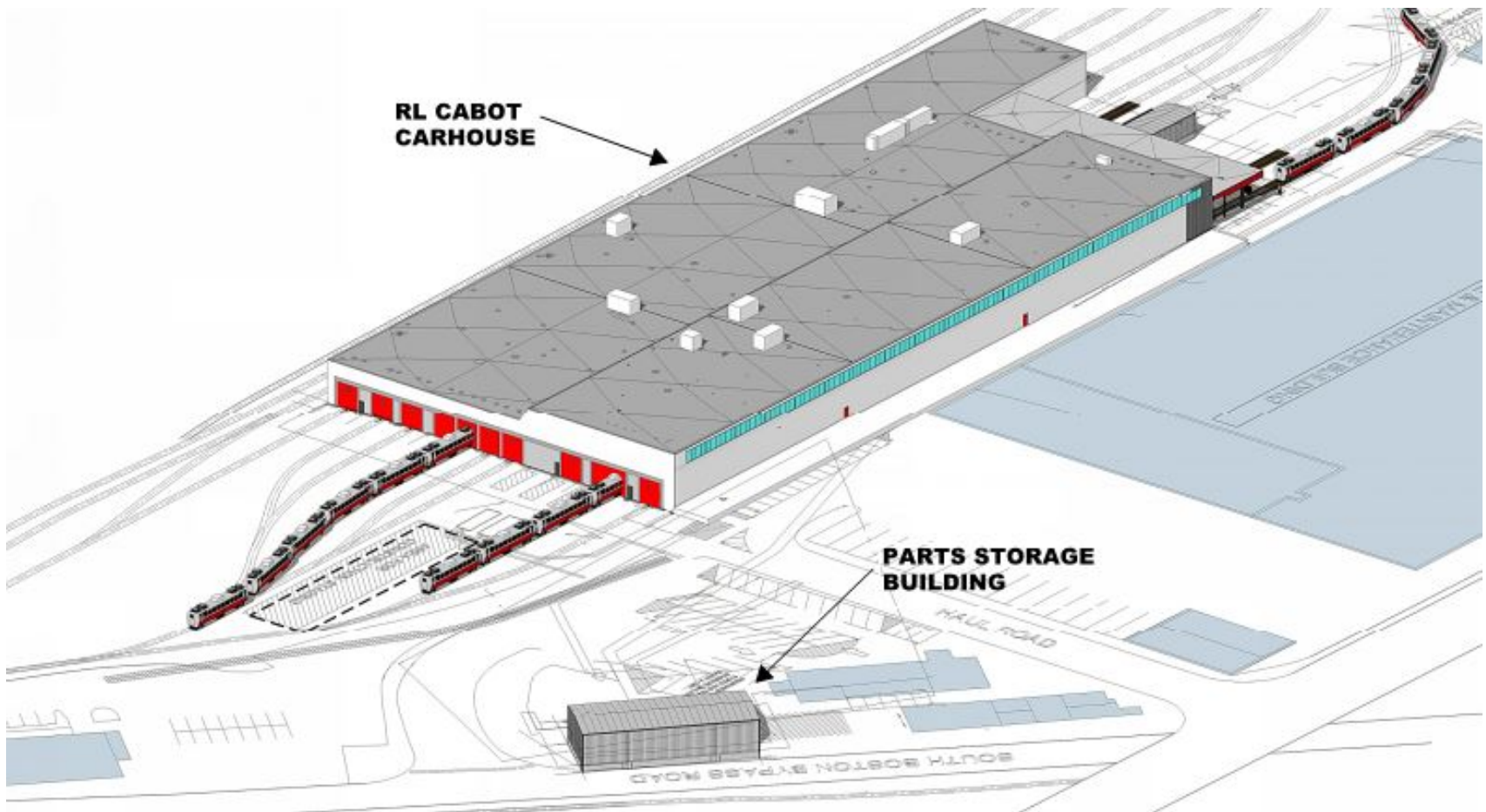


Total Program Budget

Red Line Orange Line Infrastructure Improvement Projects (Cost in Millions)	TOTAL Budget	Anticipated Construction Advertisement Date
Infrastructure Program		
Orange Line Test Track	\$ 7.80 M	✓ Mar. 2017
Wellington Yard Expansion - Tracks 33 to 38	\$ 22.37 M	✓ Oct. 2016
Wellington Maintenance Facility	\$ 86.89 M	✓ Mar. 2017
Wellington Yard Rebuild Vehicle Critical – Infrastructure	\$ 148.92 M	✓ Feb. 2018
Red Line Test Track	\$ 25.40 M	✓ Aug. 2017
Cabot Yard & Maintenance Facility Improvements	\$ 290.52 M	Mar. 2018
Signal Systems RL Enhancements	\$ 3.40 M	✓ Dec. 2017
RL/OL Program Level (PM/CM, OR & Project Admin.)	\$ 71.34 M	
Unallocated Contingency	\$ 48.76 M	
Subtotal	\$ 705.40 M	
Signals Program		
Orange Line Signaling and Train Control Systems Upgrade	\$ 72.70 M	
Southwest Corridor Wayside Signal Replacement	\$ 39.34 M	
Red Line Signaling and Train Control Systems Upgrade	\$ 77.15 M	
Columbia Junction Phase II	\$ 28.94 M	
RL/OL Program Level (PM/CM, OR & Project Admin.)	\$ 36.74 M	
Unallocated Contingency	\$ 12.76 M	
Subtotal	\$ 267.63M	
Total	\$973.03M	



Construction Project Overview





Amendment No. 1: Additional Design and Bid Phase Services

The key elements requiring additional design services to be performed under Amendment No. 1 are:

- Communications & Security Systems
- North Interior Building Modifications & New Truck Wash
- Environmental Investigation/Hazardous Materials Assessment
- Extended Electrical Ductbank
- HVAC – Heating System Modifications
- Rails and Rail Repairs

Amendment No. 1 also provides for Bid Phase Services.



Request of the Fiscal and Management Control Board

Staff request that the Fiscal and Management Control Board authorize the MBTA General Manager & CEO, or his designee, to award and execute Amendment No. 1 for Professional Services Contract R44PS04: Cabot Carhouse Improvements for the Red Line/Orange Line Infrastructure Improvements Program with Jacobs Engineering, Inc. for an amount not to exceed \$1,396,627.